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(54) **POWER GENERATING DEVICE OF MEDIUM AND  
LARGE CAPACITY FUEL CELL**

is lowered, and cell lifetime is prolonged.

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(57) Abstract:

PROBLEM TO BE SOLVED: To prevent the lowering of a cell characteristic without increasing excessively pressure loss and without increasing current capacity by connecting a fuel pipeline and an air pipeline with combination of series and parallel connection, and electrically connecting each stack group corresponding to the connecting method of the fuel pipeline and the air pipeline.

SOLUTION: A power generating device for fuel cell is provided with fuel cell stacks 1-a, 1-b. The fuel cell stacks 1-a, 1-b are electrically connected in parallel to each other with a combination of series connection of an air pipeline 2 and parallel connection of a fuel pipeline 3 so as to reduce a space for an air side pipeline. The fuel pipeline 3 of the fuel cell stacks are connected in series, and the air pipelines 2 are connected in parallel with each other, and the fuel cell stacks are connected in series so as to reduce the space for a fuel side pipeline. Minimum unit of stack group is formed of two stacks. With this structure, a stack is miniaturized, and effective utilization factor of fuel

